

**Notice of Allowability**

Application No.

09/704,418

Examiner

Taghi T. Arani

Applicant(s)

MCCULLOUGH ET AL.

Art Unit

2131

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to 7/5/2005.
2. ☒ The allowed claim(s) is/are 1-2,9-20,23-25 and 28.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 9/20/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

*CEL*  
Primary Examiner  
Art 2131  
9/20/05

**EXAMINER'S AMENDMEN**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Gary J. Pitzer on 9/21/2005.

**Serial No. 10/704,418 on top of pages 2-16 and Claims Appendix pages 1-5 of the Appeal Brief filed 07/05/2005 should be corrected to 09/704,418.**

**Cancel previously cancelled claim 7 in the Appeal Brief (Claims Appendix page 1) filed 7/5/2005.**

**Replace claims 18, 19, 23, 25 and 28 with:**

18. A server comprising a storage medium having instructions stored therein, the instructions when executed causing a processing device to perform:

creating an authenticated secure channel between the server and a personal ~~registration~~ revocation authority;

receiving a request from the personal revocation authority to revoke a user signature certificate;

revoking the user signature certificate; ~~and~~

notifying a directory of revocation of the user signature certificate; and

notifying the personal revocation authority that a user has lost a user signature certificate, the notifying the personal revocation authority occurring before the creating.

19. The server according to claim 18, further comprising verifying the personal ~~registration~~ revocation authority is permitted to revoke the user signature certificate.

23. A system for revocation of a signature certificate in a Public Key Infrastructure (PKI) comprising:

at least one server operably connected to a network;

a directory operably connected to the network, the directory containing information on at least one user;

at least one client platform operably connected to the network, the at least one user having access to the at least one server from the at least one client platform; and

a registration web server operably connected to the network, the registration web server receiving a request for revocation of a user signature certificate from a personal revocation authority over an authenticated secure channel in response to the personal revocation authority being notified that the user has lost a user signature certificate, the registration web server revoking the user signature certificate only if the personal revocation authority is permitted to revoke the user signature certificate, the registration web server notifying the directory of revocation of the user signature certificate if revoked.

25. The system according to claim 23, further comprising an authenticated secure channel between the personal ~~registration~~ revocation authority and the

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registration web server, the requesting occurring over the authenticated secure channel.

28. The system according to claim 23, wherein the personal registration revocation authority is a supervisor of the at least one user.

#### **Examiner's Statement of Reasons for Allowance**

Claims 1-2, 9-20, 23-25 and 28 are allowed over prior art. Claims 3-8, 21-22, 26-27 have been cancelled. The following is an examiner's statement of reasons for the indication of allowable claimed subject matter. As per claims 1, 18, and 23, closest prior art of record to Cordery (Cordery et al. Fig. 6) fails to teach notifying a personal revocation authority that a user has lost a user signature certificate before creating an authenticated secure channel with a registration web server recited in independent claims 1, 19 and 23. Further, Cordery fails to teach requesting a registration web server revoke a user signature certificate.

Asay teaches a subscriber can revoke a certificate. However in Asay, the subscriber can revoke his/her own certificate (Assay et al. paragraph 0014). That is, Asay is silent in disclosing a user notifying a personal revocation authority the user has lost his/her signature.

None of the prior art of record, either taken by itself or in any combination, would have anticipated or made obvious the invention of the present application at or before the time it was filed.

Depended claims 2, 9-17, 19-20, 24-25, and 28 are also allowed over prior art of record by virtue of their dependencies.

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### Conclusion

Prior arts made of record, not relied upon:

US Patent No. 5,687,235 to Perlman et al.

US Patent No. 6,230,266 to Perlman et al.

US Patent 6,438,690 to Patel et al. Approved procedures and mechanisms for the protection of electronic data communications, TBSS, version 1.2 English, December 6, 1996. Pages 11-1 to 11-38

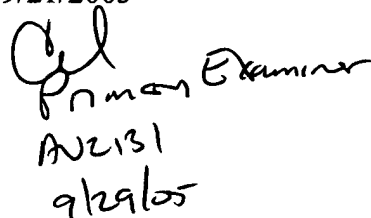
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Taghi T. Arani whose telephone number is (571) 272-3787. The examiner can normally be reached on 8:00-5:30 Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Taghi T. Arani, Ph.D.  
Examiner  
Art Unit 2131  
9/21/2005



Perlman Examiner  
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9/29/05